

## Rhod-FF AM Biochemical

Rhod-FF AM

CATALOG #  
AAA227282

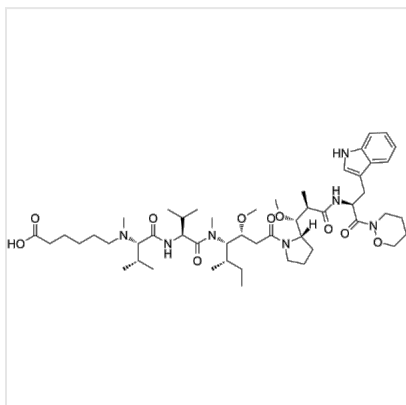
### PRODUCT SYNONYMS

Rhod-FF AM; Rhod-FF AM biochemical

### PRODUCT SPECIFICATIONS

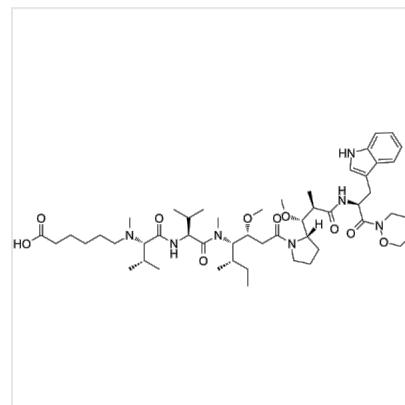
|                         |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                          |
| Solubility              | DMSO: Soluble<br><1mg/ml refers to the product slightly soluble or insoluble |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years     |

### IMAGES



Structure

Modified MMAF-C5-COOH, CAS 1404071-65-3



Structure

Modified MMAF-C5-COOH, CAS 1404071-65-3

### ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Related Product Information for Rhod-FF AM biochemical | <p>Rhod-FF AM is a cell-permeant acetoxymethyl ester of the fluorescent calcium indicator rhod-FF. As rhod-FF AM enters cells, it is hydrolyzed by intracellular esterases to produce rhod-FF. Rhod-FF is a difluorinated analog of the cell-impermeant calcium indicator rhod-2. It has a very low affinity for calcium (<math>K_d = 320 \text{ uM}</math>). Low affinity calcium indicators are particularly useful for studying compartments with high concentrations of calcium, such as endoplasmic reticulum, where high affinity dyes will be insensitive to luminal fluctuations. Rhod-FF has excitation/emission maxima of approximately 552 and 580 nm, respectively.</p> |
| References                                             | <ol style="list-style-type: none"> <li>Polson AG, et al. Antibody-drug conjugates for the treatment of non-Hodgkin's lymphoma: target and linker-drug selection [published correction appears in Cancer Res. 2010 Feb 1;70(3):1275. Slaga, Dion S [added]]. Cancer Res. 2009;69(6):2358-2364.</li> <li>Doronina SO, et al. Enhanced activity of monomethylauristatin F through monoclonal antibody delivery: effects of linker technology on efficacy and toxicity. Bioconjug Chem. 2006;17(1):114-124.</li> </ol>                                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

